FIG. 1

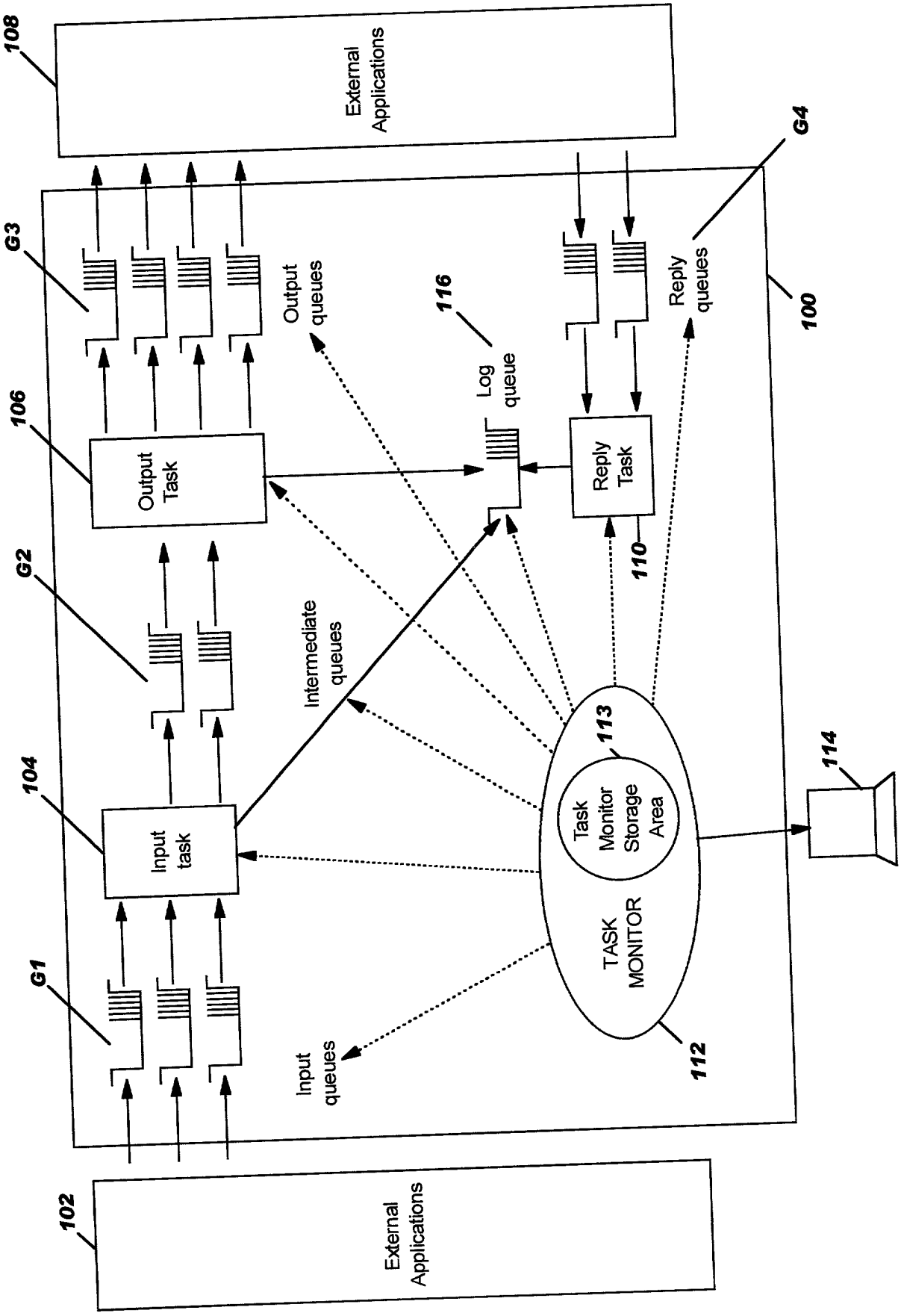

External Applications
108
G3
Output queues
116
Log queue
G4
Reply queues
100
106
Output Task
Reply Task
110
G2
Intermediate queues
104
Input task
113
Task Monitor Storage Area
114
TASK MONITOR
112
G1
Input queues
External Applications
102

FIG. 2

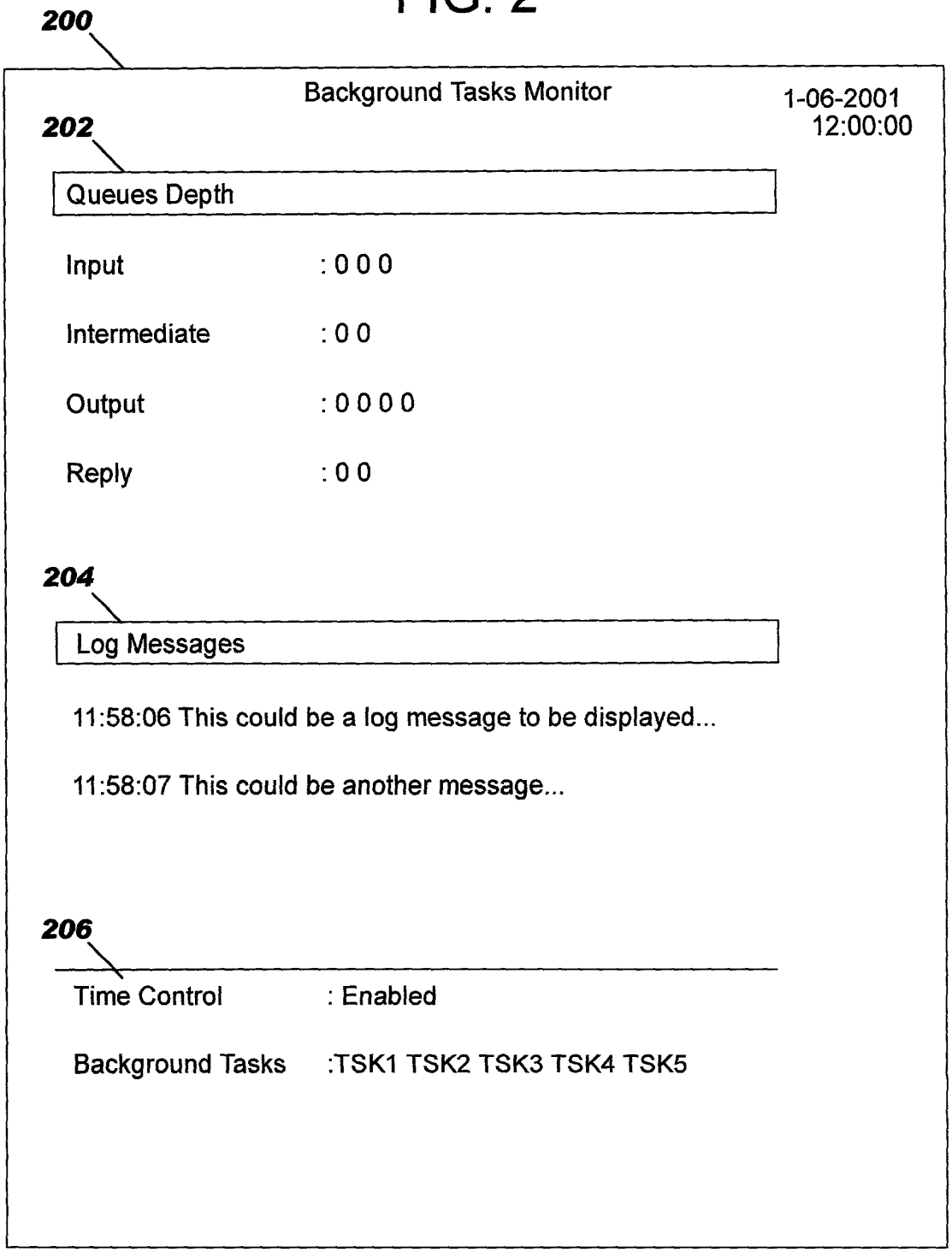

200
Background Tasks Monitor
1-06-2001
12:00:00
202
Queues Depth
Input : 0 0 0
Intermediate : 0 0
Output : 0 0 0 0
Reply : 0 0
204
Log Messages
11:58:06 This could be a log message to be displayed...
11:58:07 This could be another message...
206
Time Control : Enabled
Background Tasks :TSK1 TSK2 TSK3 TSK4 TSK5

FIG. 3

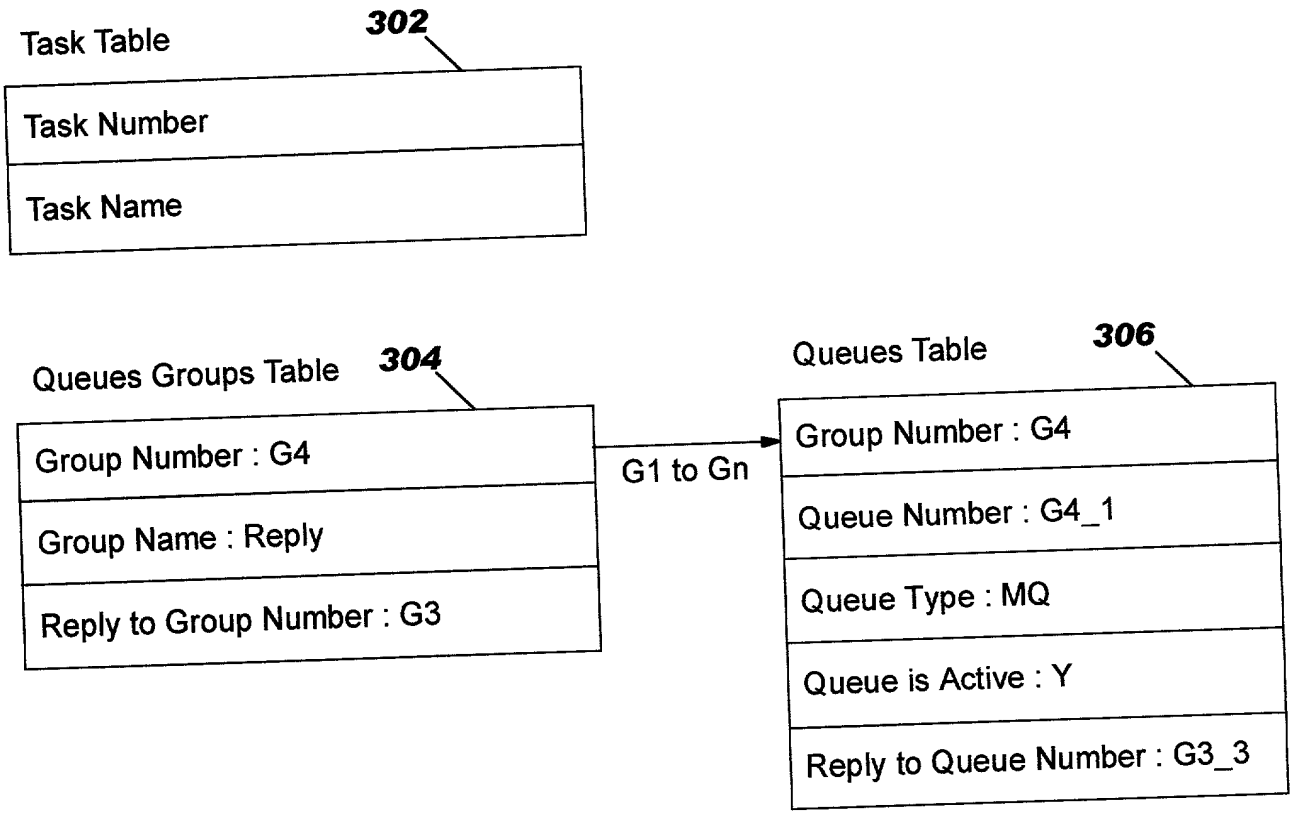

Task Table
302
Task Number
Task Name
Queues Groups Table
304
Group Number : G4
Group Name : Reply
Reply to Group Number : G3
G1 to Gn
Queues Table
306
Group Number : G4
Queue Number : G4_1
Queue Type : MQ
Queue is Active : Y
Reply to Queue Number : G3_3

FIG. 4

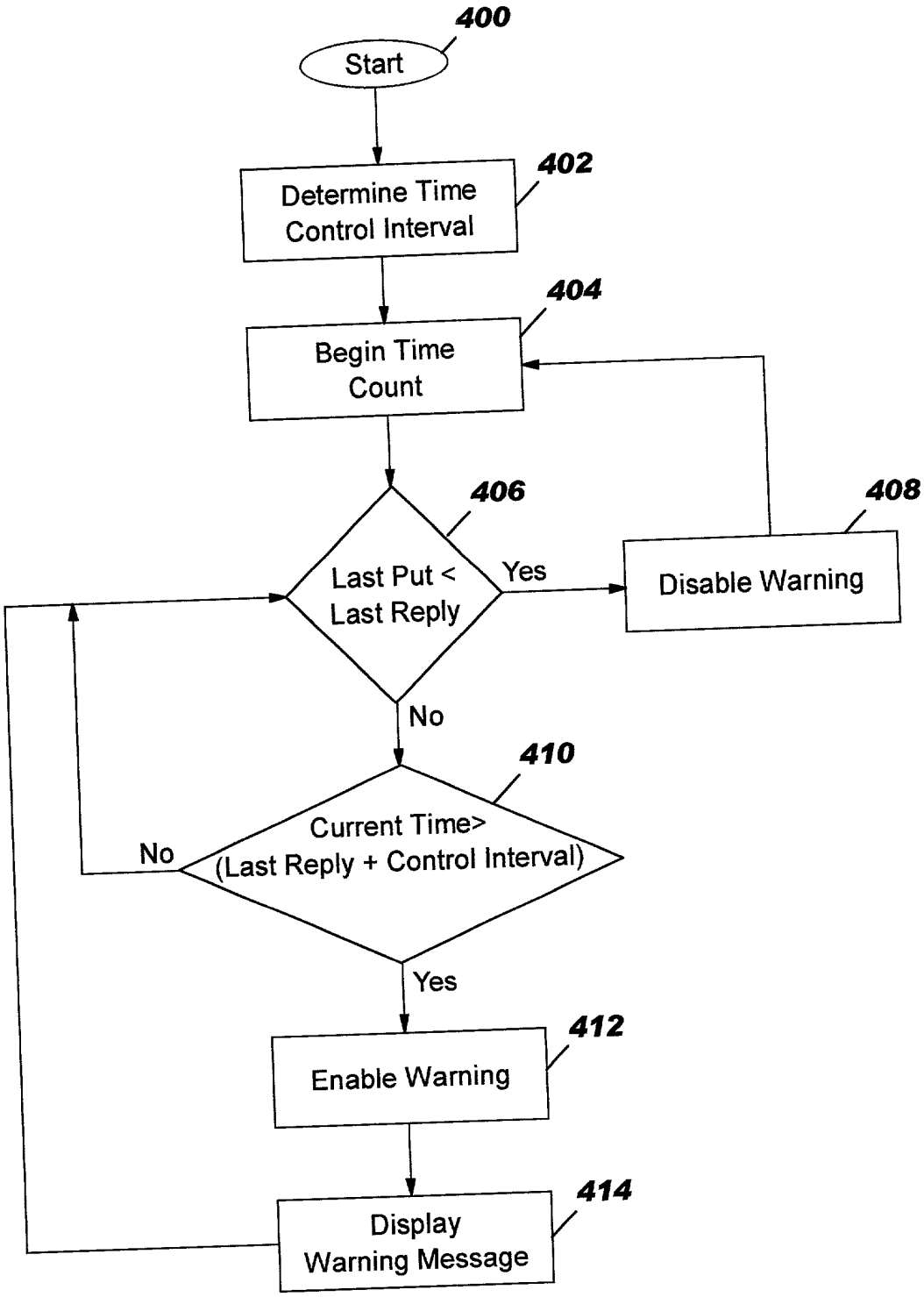
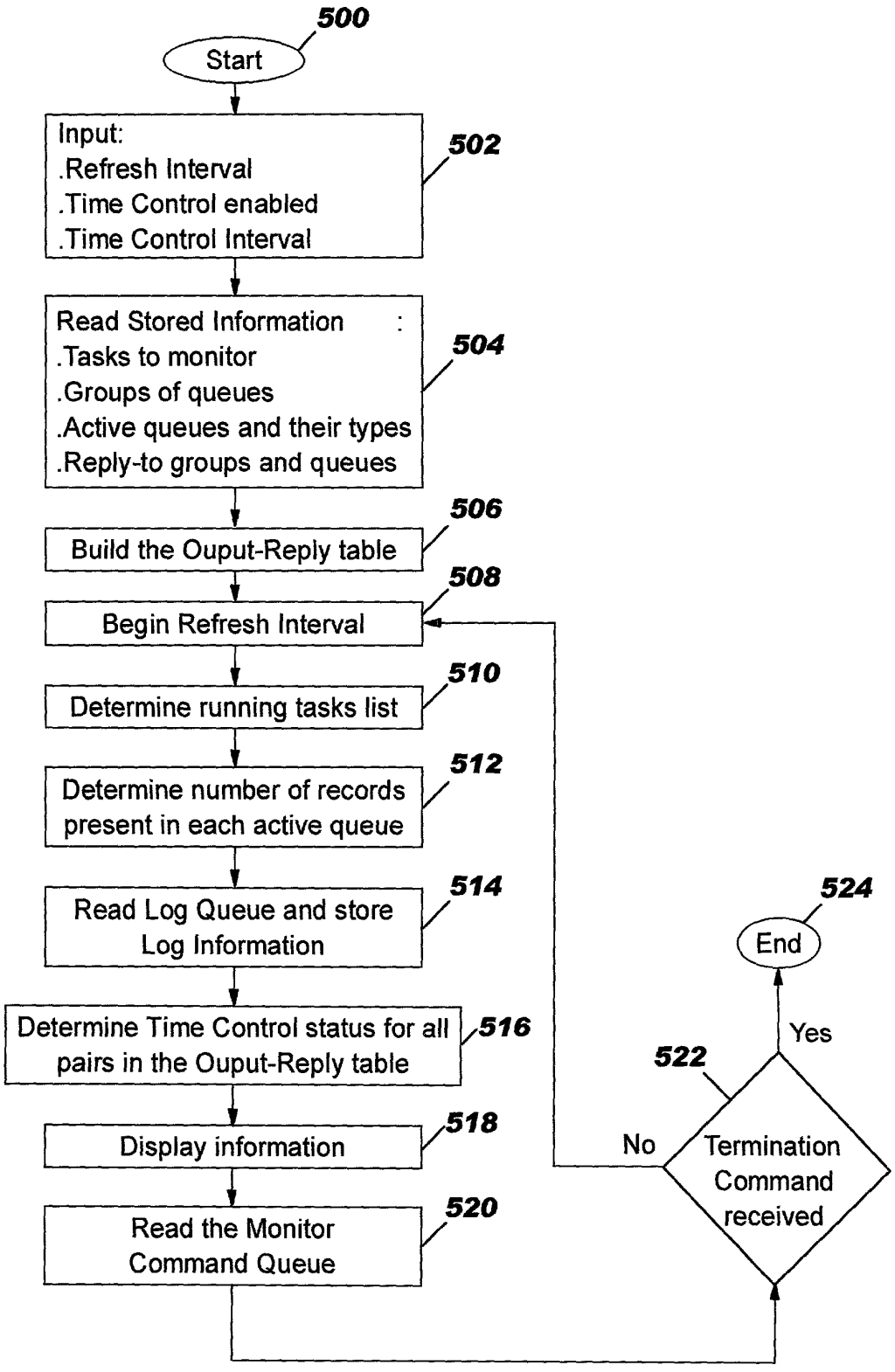

400
Start
402
Determine Time Control Interval
404
Begin Time Count
406
Last Put < Last Reply
Yes
408
Disable Warning
No
410
Current Time> (Last Reply + Control Interval)
No
Yes
412
Enable Warning
414
Display Warning Message

FIG. 5


500
Start
Input:
.Refresh Interval
.Time Control enabled
.Time Control Interval
502
Read Stored Information :
.Tasks to monitor
.Groups of queues
.Active queues and their types
.Reply-to groups and queues
504
Build the Ouput-Reply table
506
Begin Refresh Interval
508
Determine running tasks list
510
Determine number of records present in each active queue
512
Read Log Queue and store Log Information
514
Determine Time Control status for all pairs in the Ouput-Reply table
516
Display information
518
Read the Monitor Command Queue
520
Termination Command received
522
No
Yes
End
524